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1 [Information filtering based on user behavior analysis and best match text retrieval](#)

Masahiro Morita, Yoichi Shinoda

August 1994 **Proceedings of the 17th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: Springer-Verlag New York, Inc.

Full text available: [pdf\(850.17 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



2 [Implementing ranking strategies using text signatures](#)



W. Bruce Croft, Pasquale Savino

January 1988 **ACM Transactions on Information Systems (TOIS)**, Volume 6 Issue 1

Publisher: ACM Press

Full text available: [pdf\(1.59 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)



Signature files provide an efficient access method for text in documents, but retrieval is usually limited to finding documents that contain a specified Boolean pattern of words. Effective retrieval requires that documents with similar meanings be found through a process of plausible inference. The simplest way of implementing this retrieval process is to rank documents in order of their probability of relevance. In this paper techniques are described for implementing probabilistic ranking ...

3 [Experiments in Japanese text retrieval and routing using the NEAT system](#)



Gareth J. F. Jones, Tetsuya Sakai, Masahiro Kajiura, Kazuo Sumita

August 1998 **Proceedings of the 21st annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available: [pdf\(1.23 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



4 [Expert network: effective and efficient learning from human decisions in text](#)

Publisher: Springer-Verlag New York, Inc.

Full text available:  [pdf\(895.34 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

5 Towards the digital music library: tune retrieval from acoustic input


 Rodger J. McNab, Lloyd A. Smith, Ian H. Witten, Clare L. Henderson, Sally Jo Cunningham
April 1996 **Proceedings of the first ACM international conference on Digital libraries**

Publisher: ACM Press


Full text available:  [pdf\(998.45 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: acoustic interfaces, melody recall, musical retrieval, relevance ranking

6 Approaches to passage retrieval in full text information systems

 Gerard Salton, J. Allan, Chris Buckley
July 1993 **Proceedings of the 16th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available:  [pdf\(923.35 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Large collections of full-text documents are now commonly used in automated information retrieval. When the stored document texts are long, the retrieval of complete documents may not be in the users' best interest. In such circumstance, efficient and effective retrieval results may be obtained by using passage retrieval strategies designed to retrieve text excerpts of varying size in response to statements of user interest. New approaches are described in this study for implemen ...

7 Automatic content-based retrieval of broadcast news


 M. G. Brown, J. T. Foote, G. J. F. Jones, K. Sparck Jones, S. J. Young
January 1995 **Proceedings of the third ACM international conference on Multimedia**

Publisher: ACM Press


Full text available:  [htm\(51.60 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: ATM, atm, browsing, content-based retrieval, information retrieval, multimedia, television news, text subtitles

8 An application of least squares fit mapping to text information retrieval

 Yiming Yang, Christopher G. Chute
July 1993 **Proceedings of the 16th annual international ACM SIGIR conference on Research and development in information retrieval**

Publisher: ACM Press

Full text available:  [pdf\(911.87 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes a unique example-based mapping method for document retrieval. We discovered that the knowledge about relevance among queries and documents can be used to obtain empirical connections between query terms and the canonical concepts which are used for indexing the content of documents. These connections do not depend on whether there are shared terms among the queries and documents; therefore, they are especially effective for a mapping from queries to the documents where ...

9 Probabilistic and genetic algorithms in document retrieval

M. Gordon

October 1988 **Communications of the ACM**, Volume 31 Issue 10**Publisher:** ACM Press

Full text available: pdf(1.27 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Document retrieval systems are built to provide inquirers with computerized access to relevant documents. Such systems often miss many relevant documents while falsely identifying many non-relevant documents. Here, competing document descriptions are associated with a document and altered over time by a genetic algorithm according to the queries used and relevance judgments made during retrieval.

10 Document retrieval and text retrieval: Session summary

Karen Sparck Jones

March 1993 **Proceedings of the workshop on Human Language Technology HLT '93****Publisher:** Association for Computational Linguistics

Full text available: pdf(213.48 KB)

Additional Information: [full citation](#), [abstract](#)

Document retrieval (DR) is for the user who wants to find out about something by reading about it.

11 Answering English questions by computer: a survey

R. F. Simmons

January 1965 **Communications of the ACM**, Volume 8 Issue 1**Publisher:** ACM Press

Full text available: pdf(2.79 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**12** Experiments on incorporating syntactic processing of user queries into a document retrieval strategy

A. F. Smeaton, C. J. van Rijsbergen

May 1988 **Proceedings of the 11th annual international ACM SIGIR conference on Research and development in information retrieval****Publisher:** ACM Press

Full text available: pdf(1.94 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Traditional information has relied on the extensive use of statistical parameters in the implementation of retrieval strategies. This paper sets out to investigate whether linguistic processes can be used as part of a document retrieval strategy. This is done by predefining a level of syntactic analysis of user queries only, to be used as part of the retrieval process. A large series of experiments on an experimental test collection are reported which use a parser for noun phrases as part o ...

13 Beyond boolean search: FLEXICON, a legal tex-based intelligent system

Daphne Gelbart, J. C. Smith

May 1991 **Proceedings of the 3rd international conference on Artificial intelligence and law****Publisher:** ACM Press

Full text available: pdf(955.73 KB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

14 Open-vocabulary speech indexing for voice and video mail retrieval



M. G. Brown, J. T. Foote, G. J. F. Jones, K. Spärck Jones, S. J. Young

February 1997 **Proceedings of the fourth ACM international conference on Multimedia**

Publisher: ACM Press

Full text available:  [pdf\(1.82 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: audio indexing, browsing, content-based retrieval, information retrieval, speech recognition, word spotting

15 Musical information retrieval using melodic surface



Massimo Melucci, Nicola Orio

August 1999 **Proceedings of the fourth ACM conference on Digital libraries**

Publisher: ACM Press

Full text available:  [pdf\(674.04 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: automatic indexing, automatic melodic segmentation, computer music, information retrieval, musical digital libraries



16 Evaluating message understanding systems: an analysis of the third message understanding conference (MUC-3)



Nancy Chinchor, David D. Lewis, Lynette Hirschman

September 1993 **Computational Linguistics**, Volume 19 Issue 3

Publisher: MIT Press

Full text available:  [pdf\(3.00 MB\)](#)  Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)
[Publisher Site](#)

This paper describes and analyzes the results of the Third Message Understanding Conference (MUC-3). It reviews the purpose, history, and methodology of the conference, summarizes the participating systems, discusses issues of measuring system effectiveness, describes the linguistic phenomena tests, and provides a critical look at the evaluation in terms of the lessons learned. One of the common problems with evaluations is that the statistical significance of the results is unknown. In the disc ...

17 Generating exception structures for legal information serving



R. Winkels, D. J. B. Bosscher, A. W. F. Boer, J. A. Breuker

June 1999 **Proceedings of the 7th international conference on Artificial intelligence and law**

Publisher: ACM Press

Full text available:  [pdf\(991.58 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

More and more legal information is available in electronic form, but traditional retrieval mechanisms are insufficient to answer questions and legal problems of most users. In the ESPRIT project CLIME we are building a "Legal Information Server" (LIS), that not only retrieves all relevant norms for a user's query, but also applies them, giving the normative consequences of the 'situation' presented in the query. Typically, these queries represent very general an ...

Keywords: exceptions, legal database, legal information serving

18 Noun-phrase analysis in unrestricted text for information retrieval


David A. Evans, Chengxiang Zhai

June 1996 **Proceedings of the 34th annual meeting on Association for Computational Linguistics****Publisher:** Association for Computational LinguisticsFull text available:  pdf(844.26 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)[Publisher Site](#)

Information retrieval is an important application area of natural-language processing where one encounters the genuine challenge of processing large quantities of unrestricted natural-language text. This paper reports on the application of a few simple, yet robust and efficient noun-phrase analysis techniques to create better indexing phrases for information retrieval. In particular, we describe an hybrid approach to the extraction of meaningful (continuous or discontinuous) subcompounds from co ...

19 Spatial querying for image retrieval: a user-oriented evaluation

Joemon M. Jose, Jonathan Furner, David J. Harper

August 1998 **Proceedings of the 21st annual international ACM SIGIR conference on Research and development in information retrieval****Publisher:** ACM PressFull text available:  pdf(1.68 MB)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**20** What the query told the link: the integration of hypertext and information retrieval

Gene Golovchinsky

April 1997 **Proceedings of the eighth ACM conference on Hypertext****Publisher:** ACM PressFull text available:  pdf(825.12 KB)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: browsing, dynamic hypertext, information exploration, information retrieval, newspaper metaphor, relevance feedback

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S23 3	168	"web indexing"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/28 20:10
S23 4	125	google.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/28 20:10
S23 5	759	heckel.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 10:55
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S24 4	4	excite.as.	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S24 5	28	"5915249".URPN.	USPAT	OR	OFF	2006/03/08 11:08
S24 6	29	"5577241".URPN.	USPAT	OR	OFF	2006/03/08 11:08
S24 7	4	"6556995".URPN.	USPAT	OR	OFF	2006/03/08 11:08
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S25 3	3	excite.as. & @ad<"19991215"	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
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EAST Search History

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S26 3	605	"search results" & visualization	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
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EAST Search History

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EAST Search History

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S34 2	0	"search enging" & (score & (document & modify))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S34 3	114	"search engine" & (score & (document same modify))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S34 4	10354	Armstrong.in. freitag.in. joachims.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S34 5	0	S344 & webwatcher	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S34 6	0	S344 & "web watcher"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S34 7	36	S344 & learning	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S34 8	2615	Armstrong-robert.in. freitag.in. joachims.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S34 9	22	webwatcher	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S35 0	0	armstrong.in. & "carnegie mellon"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08

EAST Search History

S35 1	354	"search engine" & score & (highlight bold)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S35 2	0	inktome.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S35 3	43	inktomi.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S35 4	300	"web searching"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S35 5	14	excite.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S35 6	141	yahoo.as. & "search"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S35 7	174	"web indexing"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S35 8	181	google.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S35 9	0	"20020042791".URPN.	USPAT	OR	OFF	2006/03/08 11:08
S36 0	4	"6556995".URPN.	USPAT	OR	OFF	2006/03/08 11:08
S36 1	0	"6678681".URPN.	USPAT	OR	OFF	2006/03/08 11:08
S36 2	0	google.as. & @ad<"19991215"	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08

EAST Search History

S36 3	3	excite.as. & @ad<"19991215"	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S36 4	1189	google	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S36 5	1	PageRank & @ad<"19991215"	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S36 6	0	"visualization of" & (search retrieval) & result\$	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S36 7	10595	"search results"	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S36 8	605	"search results" & visualization	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S36 9	275	("search results" & visualization) & modification	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S37 0	95	((("search results" & visualization) & @ad<"19991215")) & query	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S37 1	56	(((((("search results" & visualization) & @ad<"19991215") & query) & (color font style)) & document	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S37 2	0	westlaw.as.	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S37 3	1304	west.as.	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S37 4	20	west.as. & legal	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S37 5	13	(west.as. & legal) & @ad<"19991215"	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S37 6	0	((((west.as. & legal) & @ad<"19991215")) & search & result) & highlight	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S37 7	0	"20020042791".URPN.	USPAT	OR	OFF	2006/03/08 11:08
S37 8	4	"6556995".URPN.	USPAT	OR	OFF	2006/03/08 11:08
S37 9	0	"6678681".URPN.	USPAT	OR	OFF	2006/03/08 11:08
S38 0	0	google.as. & @ad<"19991215"	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S38 1	3	excite.as. & @ad<"19991215"	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S38 2	1189	google	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08

EAST Search History

S38 3	1	PageRank & @ad<"19991215"	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S38 4	0	"visualization of" & (search retrieval) & result\$	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S38 5	10595	"search results"	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S38 6	605	"search results" & visualization	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S38 7	275	("search results" & visualization) & modification	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S38 8	95	((("search results" & visualization) & @ad<"19991215")) & query	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S38 9	56	(((((("search results" & visualization) & @ad<"19991215") & query) & (color font style)) & document	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S39 0	0	westlaw.as.	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S39 1	1304	west.as.	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S39 2	20	west.as. & legal	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S39 3	13	(west.as. & legal) & @ad<"19991215"	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S39 4	0	((west.as. & legal) & @ad<"19991215") & search & result) & highlight	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S39 5	341	mauldin.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S39 6	0	mauldin-michael.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S39 7	0	"09711791".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S39 8	0	"09711791"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08

EAST Search History

S39 9	2043	"search engine" & score	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S40 0	1396	S399 & document	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S40 1	466	S400 & modify	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S40 2	0	"search enging" & (score & (document same modify))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S40 3	0	"search enging" & (score & (document & modify))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S40 4	10354	Armstrong.in. freitag.in. joachims. in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S40 5	0	S404 & webwatcher	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S40 6	0	S404 & "web watcher"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S40 7	2615	Armstrong-robert.in. freitag.in. joachims.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S40 8	0	armstrong.in. & "carnegie mellon"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08

EAST Search History

S409	0	inktome.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S410	1	"6678681".pn.	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S411	1	"6012053".pn.	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S412	1	"6285999".pn.	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S413	1	"6665838".pn.	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S414	1	"6678681".pn.	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S415	1	"6012053".pn.	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S416	1	"6285999".pn.	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S417	1	"6665838".pn.	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S418	1	"5535382".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 11:08
S419	1	"6285999".pn.	USPAT	OR	OFF	2006/03/08 11:08
S420	28	google.as.	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S421	4	excite.as.	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S422	28	"5915249".URPN.	USPAT	OR	OFF	2006/03/08 11:08
S423	29	"5577241".URPN.	USPAT	OR	OFF	2006/03/08 11:08
S424	11	("4931928" "5161214" "5265065" "5311595" "5321833" "5377103" "5404506" "5412804" "5421008" "5446885" "5448727").PN.	USPAT	OR	OFF	2006/03/08 11:08
S425	8	("5384894" "5727196" "5748953" "5825923" "5884089" "6076088" "6556860" "6571243").PN.	USPAT	OR	OFF	2006/03/08 11:08
S426	5	lycos.as. & @ad<"19991215"	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08

EAST Search History

S42 7	34	google & @ad<"19991215"	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S42 8	83	PageRank	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S42 9	29	google.as."6012053".pn.	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S43 0	69	((("search results" & visualization) & @ad<"19991215") & query) & (color font style)	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S43 1	43	(((((("search results" & visualization) & @ad<"19991215") & query) & (color font style)) & document) & link	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S43 2	29	"clickthrough rate"	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S43 3	2	"clickthrough rate" & @ad<"19991215"	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S43 4	18	Baeza\$.in.	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S43 5	6	((west.as. & legal) & @ad<"19991215") & search & result	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S43 6	63	"5157783".URPN.	USPAT	OR	OFF	2006/03/08 11:08
S43 7	28	google.as.	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S43 8	4	excite.as.	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S43 9	28	"5915249".URPN.	USPAT	OR	OFF	2006/03/08 11:08
S44 0	29	"5577241".URPN.	USPAT	OR	OFF	2006/03/08 11:08
S44 1	11	("4931928" "5161214" "5265065" "5311595" "5321833" "5377103" "5404506" "5412804" "5421008" "5446885" "5448727").PN.	USPAT	OR	OFF	2006/03/08 11:08
S44 2	8	("5384894" "5727196" "5748953" "5825923" "5884089" "6076088" "6556860" "6571243").PN.	USPAT	OR	OFF	2006/03/08 11:08
S44 3	5	lycos.as. & @ad<"19991215"	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S44 4	34	google & @ad<"19991215"	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08

EAST Search History

S44 5	83	PageRank	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S44 6	29	google.as."6012053".pn.	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S44 7	69	((("search results" & visualization) & @ad<"19991215") & query) & (color font style)	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S44 8	43	(((((("search results" & visualization) & @ad<"19991215") & query) & (color font style)) & document) & link	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S44 9	29	"clickthrough rate"	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S45 0	2	"clickthrough rate" & @ad<"19991215"	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S45 1	18	Baeza\$.in.	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S45 2	6	((west.as. & legal) & @ad<"19991215") & search & result	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S45 3	63	"5157783".URPN.	USPAT	OR	OFF	2006/03/08 11:08
S45 4	2	"6070158".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S45 5	32	infoseek.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S45 6	4	("5946678" "6112202" "6397218" "6510406").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 11:08
S45 7	12	S395 & search	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S45 8	52	("5748954").URPN.	USPAT	OR	OFF	2006/03/08 11:08
S45 9	26	("6285999").URPN.	USPAT	OR	OFF	2006/03/08 11:08

EAST Search History

S46 0	88	rivette.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S46 1	56	"6460036"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S46 2	6	"6460036" & score & modify	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S46 3	2	"6009442".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S46 4	114	"search engine" & (score & (document same modify))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S46 5	36	S404 & learning	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S46 6	22	webwatcher	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S46 7	43	inktomi.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S46 8	14	excite.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S46 9	141	yahoo.as. & "search"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08

EAST Search History

S47 0	136	("search results" & visualization) & @ad<"19991215"	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S47 1	136	("search results" & visualization) & @ad<"19991215"	US-PGPUB; USPAT	OR	OFF	2006/03/08 11:08
S47 2	174	"web indexing"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S47 3	181	google.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S47 4	300	"web searching"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S47 5	354	"search engine" & score & (highlight bold)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S47 6	759	heckel.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S47 7	8776	"1" & subsequence	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S47 8	0	S476 & subsequence	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S47 9	0	S476 & algorithm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08
S48 0	7	S476 & algorithm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/08 11:08

EAST Search History

S48 1	18129	"information retrieval"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/09 11:16
S48 2	1124	"text retrieval"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/09 11:16
S48 3	277	S482 & score	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/03/09 11:16
S48 4	113	("5418948").URPN.	USPAT	OR	OFF	2006/03/09 11:19
S48 5	40	("20020143755" "4270182" "4864502" "4887212" "4914590" "4984178" "5056021" "5101349" "5146406" "5237502" "5309359" "5331556" "5386556" "5404295" "5418948" "5475588" "5687384" "5694523" "5721902" "5721938" "5761389" "5790754" "5794050" "5873056" "5915249" "5933822" "5940821" "5956708" "5960384" "5963940" "5974455" "6006221" "6021387" "6021409" "6026388" "6038560" "6049799" "6055531" "6076512" "6233575").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 11:23
S48 6	64	("5855015").URPN.	USPAT	OR	OFF	2006/03/09 11:38